

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: \_\_\_\_\_

Source: \_\_\_\_\_

Date Processed by STIC: \_\_\_\_\_

10/526, 267  
PST  
6/20/2006

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

## Raw Sequence Listing Error Summary

### ERROR DETECTED

### SUGGESTED CORRECTION

SERIAL NUMBER:

10/526,267

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics      The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2      Invalid Line Length      The rules require that a line **not exceed** 72 characters in length. This includes white spaces.
- 3      Misaligned Amino      The numbering under each 5<sup>th</sup> amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.
- 4      Non-ASCII      The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**
- 5      Variable Length      Sequence(s)      contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6      PatentIn 2.0      A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid "bug" sequences(s)     . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
- 7      Skipped Sequences      Sequence(s)      missing. If intentional, please insert the following lines for **each** skipped sequence: (OLD RULES) (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped  
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.
- 8      Skipped Sequences      Sequence(s)      missing. If **intentional**, please insert the following lines for **each** skipped sequence. (NEW RULES)  
<210> sequence id number  
<400> sequence id number  
000
- 9      Use of n's or Xaa's      Use of n's and/or Xaa's have been detected in the Sequence Listing. (NEW RULES)  
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.
- 10      Invalid <213>      Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or Response      scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence. (see item 11 below)
- 11      Use of <220>      ~~Sequence(s)      missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules~~
- 12      PatentIn 2.0      Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, "bug"      resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13      Misuse of n/Xaa      "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



PCT

## RAW SEQUENCE LISTING

DATE: 06/20/2006

PATENT APPLICATION: US/10/526,267

TIME: 13:40:35

Input Set : A:\H0757.70000US00 sequence listing.txt

Output Set: N:\CRF4\06202006\J526267.raw

3 <110> APPLICANT: Huang, Qingshan  
 4 Li, Guodong  
 6 <120> TITLE OF INVENTION: A GROUP OF SYNTHETIC ANTIMICROBIAL PEPTIDES  
 8 <130> FILE REFERENCE: H0757.70000US00  
 10 <140> CURRENT APPLICATION NUMBER: 10/526267  
 11 <141> CURRENT FILING DATE: 2005-03-02  
 13 <150> PRIOR APPLICATION NUMBER: PCT/CN03/00522  
 14 <151> PRIOR FILING DATE: 2003-07-01  
 16 <150> PRIOR APPLICATION NUMBER: CN 02136766.3  
 17 <151> PRIOR FILING DATE: 2002-09-02  
 19 <160> NUMBER OF SEQ ID NOS: 54  
 21 <170> SOFTWARE: PatentIn Version 2.1  
 23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 19  
 25 <212> TYPE: PRT  
 26 <213> ORGANISM: Artificial Sequence  
 28 <220> FEATURE:  
 29 <221> NAME/KEY: CHAIN  
 30 <222> LOCATION: (12,16)  
 31 <223> OTHER INFORMATION: Xaa=Lys or Arg  
 33 <220> FEATURE:  
 34 <221> NAME/KEY: CHAIN  
 35 <222> LOCATION: (13,17)  
 36 <223> OTHER INFORMATION: Xaa=Gly or Ala or Val or Leu or Ile or Phe  
 38 <220> FEATURE:  
 39 <221> NAME/KEY: CHAIN  
 40 <222> LOCATION: (14,18)  
 41 <223> OTHER INFORMATION: Xaa=Gly or Ala or Val or Leu or Ile or Phe  
 43 <220> FEATURE:  
 44 <221> NAME/KEY: CHAIN  
 45 <222> LOCATION: (15,19)  
 46 <223> OTHER INFORMATION: Xaa=Lys or Arg  
 48 <400> SEQUENCE: 1  
 W--> 49 Arg Phe Arg Leu Val Arg Arg Ile Val Leu Ala Xaa Xaa Xaa Xaa  
 50 5 10 15  
 51 Xaa Xaa Xaa Xaa  
 54 <210> SEQ ID NO: 2  
 55 <211> LENGTH: 23  
 56 <212> TYPE: PRT  
 57 <213> ORGANISM: Artificial Sequence  
 59 <220> FEATURE:  
 60 <221> NAME/KEY: CHAIN  
 61 <222> LOCATION: (12,16,20)

Cpg-6,7)  
 Does Not Comply  
 Corrected Diskette Needed  
 Cpg-1,2,3,4,5)

If <213> Response is  
 Artificial, Unknown, pls  
 give the source of  
 genetic Material on  
 <223>. See  
 Item 11 on  
 Error Summary  
 Sheet.

Same Error

## RAW SEQUENCE LISTING

DATE: 06/20/2006

PATENT APPLICATION: US/10/526,267

TIME: 13:40:35

Input Set : A:\H0757.70000US00 sequence listing.txt

Output Set: N:\CRF4\06202006\J526267.raw

```

62 <223> OTHER INFORMATION: Xaa=Lys or Arg
64 <220> FEATURE:
65 <221> NAME/KEY: CHAIN
66 <222> LOCATION: (13,17,21)
67 <223> OTHER INFORMATION: Xaa=Gly or Ala or Val or Leu or Ile or Phe
69 <220> FEATURE:
70 <221> NAME/KEY: CHAIN
71 <222> LOCATION: (14,18,22)
72 <223> OTHER INFORMATION: Xaa=Gly or Ala or Val or Leu or Ile or Phe
74 <220> FEATURE:
75 <221> NAME/KEY: CHAIN
76 <222> LOCATION: (15,19,23)
77 <223> OTHER INFORMATION: Xaa=Lys or Arg
79 <400> SEQUENCE: 2
W--> 80 Arg Phe Arg Leu Val Arg Arg Ile Val Leu Ala Xaa Xaa Xaa Xaa
      81                5                10                15
      82 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
      83                20
      86 <210> SEQ ID NO: 3
      87 <211> LENGTH: 19
      88 <212> TYPE: PRT
      89 <213> ORGANISM: Artificial Sequence
      91 <220> FEATURE:
      92 <221> NAME/KEY: CHAIN
      93 <222> LOCATION: (12,16)
      94 <223> OTHER INFORMATION: Xaa=Lys or Arg
      96 <220> FEATURE:
      97 <221> NAME/KEY: CHAIN
      98 <222> LOCATION: (13,17)
      99 <223> OTHER INFORMATION: Xaa=Gly or Ala or Val or Leu or Ile or Phe
     101 <220> FEATURE:
     102 <221> NAME/KEY: CHAIN
     103 <222> LOCATION: (14,18)
     104 <223> OTHER INFORMATION: Xaa=Gly or Ala or Val or Leu or Ile or Phe
     106 <220> FEATURE:
     107 <221> NAME/KEY: CHAIN
     108 <222> LOCATION: (15,19)
     109 <223> OTHER INFORMATION: Xaa=Lys or Arg
     111 <400> SEQUENCE: 3
W--> 112 Arg Phe Lys Leu Val Arg Arg Ile Val Leu Ala Xaa Xaa Xaa Xaa
      113                5                10                15
      114 Xaa Xaa Xaa Xaa
      117 <210> SEQ ID NO: 4
      118 <211> LENGTH: 23
      119 <212> TYPE: PRT
      120 <213> ORGANISM: Artificial Sequence
      122 <220> FEATURE:
      123 <221> NAME/KEY: CHAIN
      124 <222> LOCATION: (12,16,20)

```

*Same error*

*Same error*

## RAW SEQUENCE LISTING

DATE: 06/20/2006

PATENT APPLICATION: US/10/526,267

TIME: 13:40:35

Input Set : A:\H0757.70000US00 sequence listing.txt

Output Set: N:\CRF4\06202006\J526267.raw

125 <223> OTHER INFORMATION: Xaa=Lys or Arg  
 127 <220> FEATURE:  
 128 <221> NAME/KEY: CHAIN  
 129 <222> LOCATION: (13,17,21)  
 130 <223> OTHER INFORMATION: Xaa=Gly or Ala or Val or Leu or Ile or Phe  
 132 <220> FEATURE:  
 133 <221> NAME/KEY: CHAIN  
 134 <222> LOCATION: (14,18,22)  
 135 <223> OTHER INFORMATION: Xaa=Gly or Ala or Val or Leu or Ile or Phe  
 137 <220> FEATURE:  
 138 <221> NAME/KEY: CHAIN  
 139 <222> LOCATION: (15,19,23)  
 140 <223> OTHER INFORMATION: Xaa=Lys or Arg  
 142 <400> SEQUENCE: 4

W--> 143 Arg Phe Lys Leu Val Arg Arg Ile Val Leu Ala Xaa Xaa Xaa Xaa

144                               5                               10                               15

145 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa

146                               20

149 <210> SEQ ID NO: 5

150 <211> LENGTH: 19

151 <212> TYPE: PRT

152 <213> ORGANISM: Artificial Sequence

154 <220> FEATURE:

155 <221> NAME/KEY: CHAIN

157 <220> FEATURE:

158 <221> NAME/KEY: CHAIN

159 <222> LOCATION: (12,16)

160 <223> OTHER INFORMATION: Xaa=Lys or Arg

162 <220> FEATURE:

163 <221> NAME/KEY: CHAIN

164 <222> LOCATION: (13,17)

165 <223> OTHER INFORMATION: Xaa=Gly or Ala or Val or Leu or Ile or Phe

167 <220> FEATURE:

168 <221> NAME/KEY: CHAIN

169 <222> LOCATION: (14,18)

170 <223> OTHER INFORMATION: Xaa=Gly or Ala or Val or Leu or Ile or Phe

172 <220> FEATURE:

173 <221> NAME/KEY: CHAIN

174 <222> LOCATION: (15,19)

175 <223> OTHER INFORMATION: Xaa=Lys or Arg

177 <400> SEQUENCE: 5

W--> 178 Arg Phe Lys Leu Val Lys Arg Ile Val Leu Ala Xaa Xaa Xaa Xaa

179                               5                               10                               15

180 Xaa Xaa Xaa Xaa

183 <210> SEQ ID NO: 6

184 <211> LENGTH: 23

185 <212> TYPE: PRT

186 <213> ORGANISM: Artificial Sequence

188 <220> FEATURE:

## RAW SEQUENCE LISTING

DATE: 06/20/2006

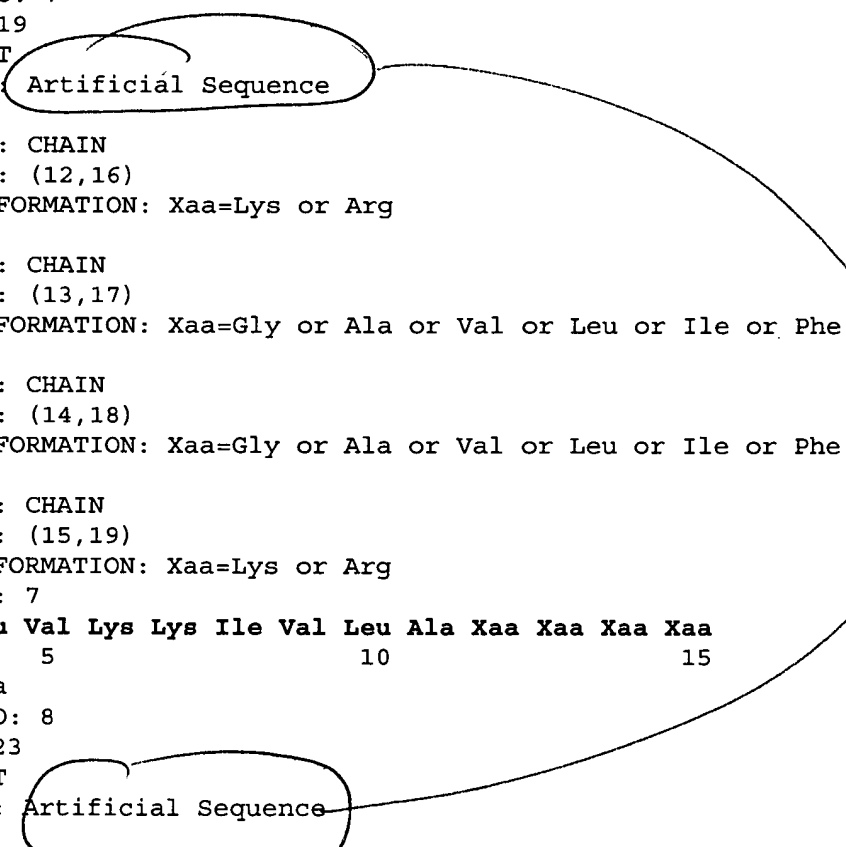
PATENT APPLICATION: US/10/526,267

TIME: 13:40:35

Input Set : A:\H0757.70000US00 sequence listing.txt

Output Set: N:\CRF4\06202006\J526267.raw

189 <221> NAME/KEY: CHAIN  
190 <222> LOCATION: (12,16,20)  
191 <223> OTHER INFORMATION: Xaa=Lys or Arg  
193 <220> FEATURE:  
194 <221> NAME/KEY: CHAIN  
195 <222> LOCATION: (13,17,21)  
196 <223> OTHER INFORMATION: Xaa=Gly or Ala or Val or Leu or Ile or Phe  
198 <220> FEATURE:  
199 <221> NAME/KEY: CHAIN  
200 <222> LOCATION: (14,18,22)  
201 <223> OTHER INFORMATION: Xaa=Gly or Ala or Val or Leu or Ile or Phe  
203 <220> FEATURE:  
204 <221> NAME/KEY: CHAIN  
205 <222> LOCATION: (15,19,23)  
206 <223> OTHER INFORMATION: Xaa=Lys or Arg  
208 <400> SEQUENCE: 6  
W--> 209 Arg Phe Lys Leu Val Lys Arg Ile Val Leu Ala Xaa Xaa Xaa Xaa  
210 5 10 15  
211 Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
212 20  
215 <210> SEQ ID NO: 7  
216 <211> LENGTH: 19  
217 <212> TYPE: PRT  
218 <213> ORGANISM: Artificial Sequence  
220 <220> FEATURE:  
221 <221> NAME/KEY: CHAIN  
222 <222> LOCATION: (12,16)  
223 <223> OTHER INFORMATION: Xaa=Lys or Arg  
225 <220> FEATURE:  
226 <221> NAME/KEY: CHAIN  
227 <222> LOCATION: (13,17)  
228 <223> OTHER INFORMATION: Xaa=Gly or Ala or Val or Leu or Ile or Phe  
230 <220> FEATURE:  
231 <221> NAME/KEY: CHAIN  
232 <222> LOCATION: (14,18)  
233 <223> OTHER INFORMATION: Xaa=Gly or Ala or Val or Leu or Ile or Phe  
235 <220> FEATURE:  
236 <221> NAME/KEY: CHAIN  
237 <222> LOCATION: (15,19)  
238 <223> OTHER INFORMATION: Xaa=Lys or Arg  
240 <400> SEQUENCE: 7  
W--> 241 Arg Phe Lys Leu Val Lys Lys Ile Val Leu Ala Xaa Xaa Xaa Xaa  
242 5 10 15  
243 Xaa Xaa Xaa Xaa  
248 <210> SEQ ID NO: 8  
249 <211> LENGTH: 23  
250 <212> TYPE: PRT  
251 <213> ORGANISM: Artificial Sequence  
253 <220> FEATURE:



## RAW SEQUENCE LISTING

DATE: 06/20/2006

PATENT APPLICATION: US/10/526,267

TIME: 13:40:35

Input Set : A:\H0757.70000US00 sequence listing.txt

Output Set: N:\CRF4\06202006\J526267.raw

254 <221> NAME/KEY: CHAIN  
255 <222> LOCATION: (12,16,20)  
256 <223> OTHER INFORMATION: Xaa=Lys or Arg  
258 <220> FEATURE:  
259 <221> NAME/KEY: CHAIN  
260 <222> LOCATION: (13,17,21)  
261 <223> OTHER INFORMATION: Xaa=Gly or Ala or Val or Leu or Ile or Phe  
263 <220> FEATURE:  
264 <221> NAME/KEY: CHAIN  
265 <222> LOCATION: (14,18,22)  
266 <223> OTHER INFORMATION: Xaa=Gly or Ala or Val or Leu or Ile or Phe  
268 <220> FEATURE:  
269 <221> NAME/KEY: CHAIN  
270 <222> LOCATION: (15,19,23)  
271 <223> OTHER INFORMATION: Xaa=Lys or Arg  
273 <400> SEQUENCE: 8  
W--> 274 Arg Phe Lys Leu Val Lys Lys Ile Val Leu Ala Xaa Xaa Xaa Xaa  
275                               5                               10                               15  
276 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
277                               20  
282 <210> SEQ ID NO: 9  
283 <211> LENGTH: 19  
284 <212> TYPE: PRT  
285 <213> ORGANISM: Artificial Sequence → Same Error  
287 <220> FEATURE:  
288 <221> NAME/KEY: CHAIN  
289 <222> LOCATION: (12,16)  
290 <223> OTHER INFORMATION: Xaa=Lys or Arg  
292 <220> FEATURE:  
293 <221> NAME/KEY: CHAIN  
294 <222> LOCATION: (13,17)  
295 <223> OTHER INFORMATION: Xaa=Gly or Ala or Val or Leu or Ile or Phe  
297 <220> FEATURE:  
298 <221> NAME/KEY: CHAIN  
299 <222> LOCATION: (14,18)  
300 <223> OTHER INFORMATION: Xaa=Gly or Ala or Val or Leu or Ile or Phe  
302 <220> FEATURE:  
303 <221> NAME/KEY: CHAIN  
304 <222> LOCATION: (15,19)  
305 <223> OTHER INFORMATION: Xaa=Lys or Arg  
307 <400> SEQUENCE: 9  
W--> 308 Lys Phe Lys Leu Val Lys Lys Ile Val Leu Ala Xaa Xaa Xaa Xaa  
309                               5                               10                               15  
310 Xaa Xaa Xaa Xaa  
313 <210> SEQ ID NO: 10  
314 <211> LENGTH: 23  
315 <212> TYPE: PRT  
316 <213> ORGANISM: Artificial Sequence → Same Error  
318 <220> FEATURE:

The type of errors shown exist throughout  
the Sequence Listing. Please check subsequent  
sequences for similar errors.

**RAW SEQUENCE LISTING ERROR SUMMARY**  
**PATENT APPLICATION: US/10/526,267**DATE: 06/20/2006  
TIME: 13:40:36Input Set : A:\H0757.70000US00 sequence listing.txt  
Output Set: N:\CRF4\06202006\J526267.raw**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 12,13,14,15,16,17,18,19  
Seq#:2; Xaa Pos. 12,13,14,15,16,17,18,19,20,21,22,23  
Seq#:3; Xaa Pos. 12,13,14,15,16,17,18,19  
Seq#:4; Xaa Pos. 12,13,14,15,16,17,18,19,20,21,22,23  
Seq#:5; Xaa Pos. 12,13,14,15,16,17,18,19  
Seq#:6; Xaa Pos. 12,13,14,15,16,17,18,19,20,21,22,23  
Seq#:7; Xaa Pos. 12,13,14,15,16,17,18,19  
Seq#:8; Xaa Pos. 12,13,14,15,16,17,18,19,20,21,22,23  
Seq#:9; Xaa Pos. 12,13,14,15,16,17,18,19  
Seq#:10; Xaa Pos. 12,13,14,15,16,17,18,19,20,21,22,23  
Seq#:11; Xaa Pos. 12,13,14,15,16,17,18,19  
Seq#:12; Xaa Pos. 12,13,14,15,16,17,18,19,20,21,22,23  
Seq#:13; Xaa Pos. 12,13,14,15,16,17,18,19  
Seq#:14; Xaa Pos. 12,13,14,15,16,17,18,19,20,21,22,23  
Seq#:15; Xaa Pos. 12,13,14,15,16,17,18,19  
Seq#:16; Xaa Pos. 12,13,14,15,16,17,18,19,20,21,22,23  
Seq#:17; Xaa Pos. 12,13,14,15,16,17,18,19  
Seq#:18; Xaa Pos. 12,13,14,15,16,17,18,19,20,21,22,23  
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Seq#:20; Xaa Pos. 12,13,14,15,16,17,18,19,20,21,22,23  
Seq#:21; Xaa Pos. 12,13,14,15,16,17,18,19  
Seq#:22; Xaa Pos. 12,13,14,15,16,17,18,19,20,21,22,23  
Seq#:23; Xaa Pos. 12,13,14,15,16,17,18,19  
Seq#:24; Xaa Pos. 12,13,14,15,16,17,18,19,20,21,22,23  
Seq#:25; Xaa Pos. 12,13,14,15,16,17,18,19  
Seq#:26; Xaa Pos. 12,13,14,15,16,17,18,19,20,21,22,23  
Seq#:27; Xaa Pos. 12,13,14,15,16,17,18,19  
Seq#:28; Xaa Pos. 12,13,14,15,16,17,18,19,20,21,22,23  
Seq#:29; Xaa Pos. 12,13,14,15,16,17,18,19  
Seq#:30; Xaa Pos. 12,13,14,15,16,17,18,19,20,21,22,23  
Seq#:31; Xaa Pos. 12,13,14,15,16,17,18,19  
Seq#:32; Xaa Pos. 12,13,14,15,16,17,18,19,20,21,22,23  
Seq#:33; Xaa Pos. 12,13,14,15,16,17,18,19  
Seq#:34; Xaa Pos. 12,13,14,15,16,17,18,19,20,21,22,23  
Seq#:35; Xaa Pos. 12,13,14,15,16,17,18,19  
Seq#:36; Xaa Pos. 12,13,14,15,16,17,18,19,20,21,22,23  
Seq#:37; Xaa Pos. 12,13,14,15,16,17,18,19  
Seq#:38; Xaa Pos. 12,13,14,15,16,17,18,19,20,21,22,23  
Seq#:39; Xaa Pos. 12,13,14,15,16,17,18,19  
Seq#:40; Xaa Pos. 12,13,14,15,16,17,18,19,20,21,22,23  
Seq#:41; Xaa Pos. 12,13,14,15,16,17,18,19  
Seq#:42; Xaa Pos. 12,13,14,15,16,17,18,19,20,21,22,23  
Seq#:43; Xaa Pos. 12,13,14,15,16,17,18,19  
Seq#:44; Xaa Pos. 12,13,14,15,16,17,18,19,20,21,22,23



RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 06/20/2006  
PATENT APPLICATION: US/10/526,267      TIME: 13:40:36

Input Set : A:\H0757.70000US00 sequence listing.txt  
Output Set: N:\CRF4\06202006\J526267.raw

Seq#:45; Xaa Pos. 12,13,14,15,16,17,18,19  
Seq#:46; Xaa Pos. 12,13,14,15,16,17,18,19,20,21,22,23  
Seq#:47; Xaa Pos. 12,13,14,15,16,17,18,19  
Seq#:48; Xaa Pos. 12,13,14,15,16,17,18,19,20,21,22,23  
Seq#:49; Xaa Pos. 12,13,14,15,16,17,18,19  
Seq#:50; Xaa Pos. 12,13,14,15,16,17,18,19,20,21,22,23  
Seq#:51; Xaa Pos. 12,13,14,15,16,17,18,19

## VERIFICATION SUMMARY

DATE: 06/20/2006

PATENT APPLICATION: US/10/526,267

TIME: 13:40:36

Input Set : A:\H0757.70000US00 sequence listing.txt

Output Set: N:\CRF4\06202006\J526267.raw

L:49 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
M:341 Repeated in SeqNo=1  
L:80 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
M:341 Repeated in SeqNo=2  
L:112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
M:341 Repeated in SeqNo=3  
L:143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
M:341 Repeated in SeqNo=4  
L:178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
M:341 Repeated in SeqNo=5  
L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
M:341 Repeated in SeqNo=6  
L:241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
M:341 Repeated in SeqNo=7  
L:274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0  
M:341 Repeated in SeqNo=8  
L:308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0  
M:341 Repeated in SeqNo=9  
L:339 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0  
M:341 Repeated in SeqNo=10  
L:373 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
M:341 Repeated in SeqNo=11  
L:406 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
M:341 Repeated in SeqNo=12  
L:440 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
M:341 Repeated in SeqNo=13  
L:473 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
M:341 Repeated in SeqNo=14  
L:507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
M:341 Repeated in SeqNo=15  
L:540 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
M:341 Repeated in SeqNo=16  
L:574 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0  
M:341 Repeated in SeqNo=17  
L:605 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0  
M:341 Repeated in SeqNo=18  
L:637 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0  
M:341 Repeated in SeqNo=19  
L:668 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0  
M:341 Repeated in SeqNo=20  
L:700 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0  
M:341 Repeated in SeqNo=21  
L:731 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0  
M:341 Repeated in SeqNo=22  
L:763 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0  
M:341 Repeated in SeqNo=23  
L:794 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0  
M:341 Repeated in SeqNo=24

**VERIFICATION SUMMARY**

DATE: 06/20/2006

PATENT APPLICATION: US/10/526,267

TIME: 13:40:36

Input Set : A:\H0757.70000US00 sequence listing.txt

Output Set: N:\CRF4\06202006\J526267.raw

L:826 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0

M:341 Repeated in SeqNo=25